Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	12/03/2021 08:58 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	06/17/2021 10:50 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	12757	Expiration Date:	06/30/2022
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124295	-1	1.25	124223	1.26
Blue	F	SSC	125000	123616	-2	2.29	123942	2.14
Blue	E	FITC	13131	12746	-3	2.26	295	15.83
Blue	D	PE	24112	23776	-2	1.66	545	10.92
Blue	B	PerCP-Cy5-5	31295	30706	-2	2.98	1017	14.87
Blue	A	PE-Cy7	19939	19782	-1	5.33	527	30.30
Red	C	APC	42122	40871	-3	3.10	1715	11.77
Red	A	APC-Cy7	22340	21587	-4	3.39	807	12.17
Violet	B	V450	7410	7113	-5	3.78	432	12.57
Violet	A	V500	28118	26496	-6	3.42	660	10.17

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	22858	2.00	588	19	N/A	N/A	Pass
Blue	F	SSC	57654	1.06	523	11	N/A	N/A	Pass
Blue	E	FITC	54	58.52	490	3	0.0437	294	Pass
Blue	D	PE	116	38.44	493	5	0.4447	406	Pass
Blue	B	PerCP-Cy5-5	188	37.35	590	4	0.0190	91	Pass
Blue	A	PE-Cy7	104	69.05	633	5	0.0200	0	Pass
Red	C	APC	395	24.86	581	5	0.0259	178	Pass
Red	A	APC-Cy7	180	28.24	556	5	0.0056	790	Pass
Violet	B	V450	61	65.03	459	6	0.0702	2970	Pass
Violet	A	V500	96	36.65	469	4	0.0255	1142	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.97 - 71.95	N/A	N/A	-31.50	-31.41	1.08
Blue	20.35	16.28 - 24.42	1.28	1.02 - 1.52	0.00	0.00	1.44
Red	14.74	13.60 - 20.40	N/A	N/A	29.82	29.99	1.23

Window Extension: 7.00
FSC Area Scaling Factor: 0.92

Threshold

Threshold (FSC): 10132

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments